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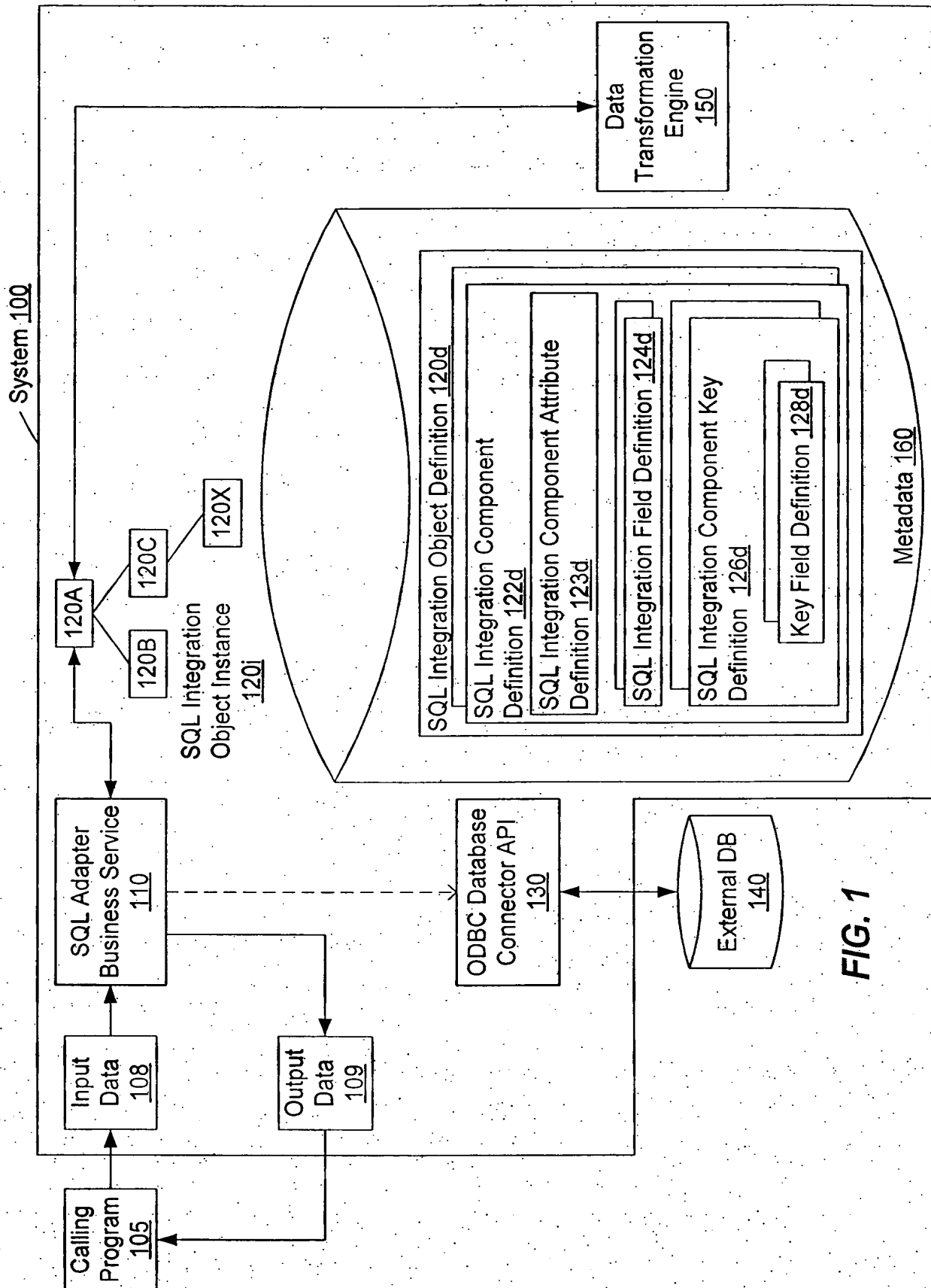


FIG. 1

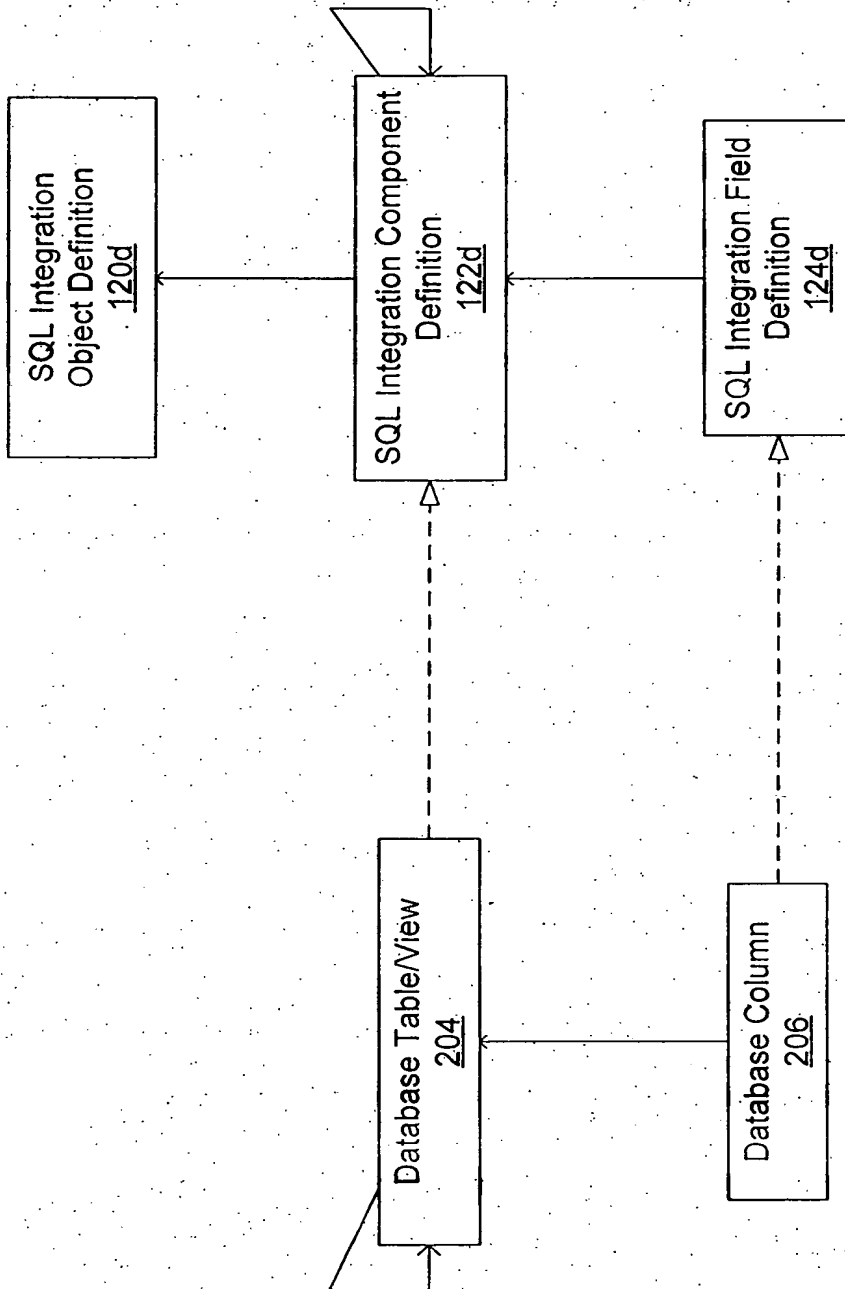


FIG. 2

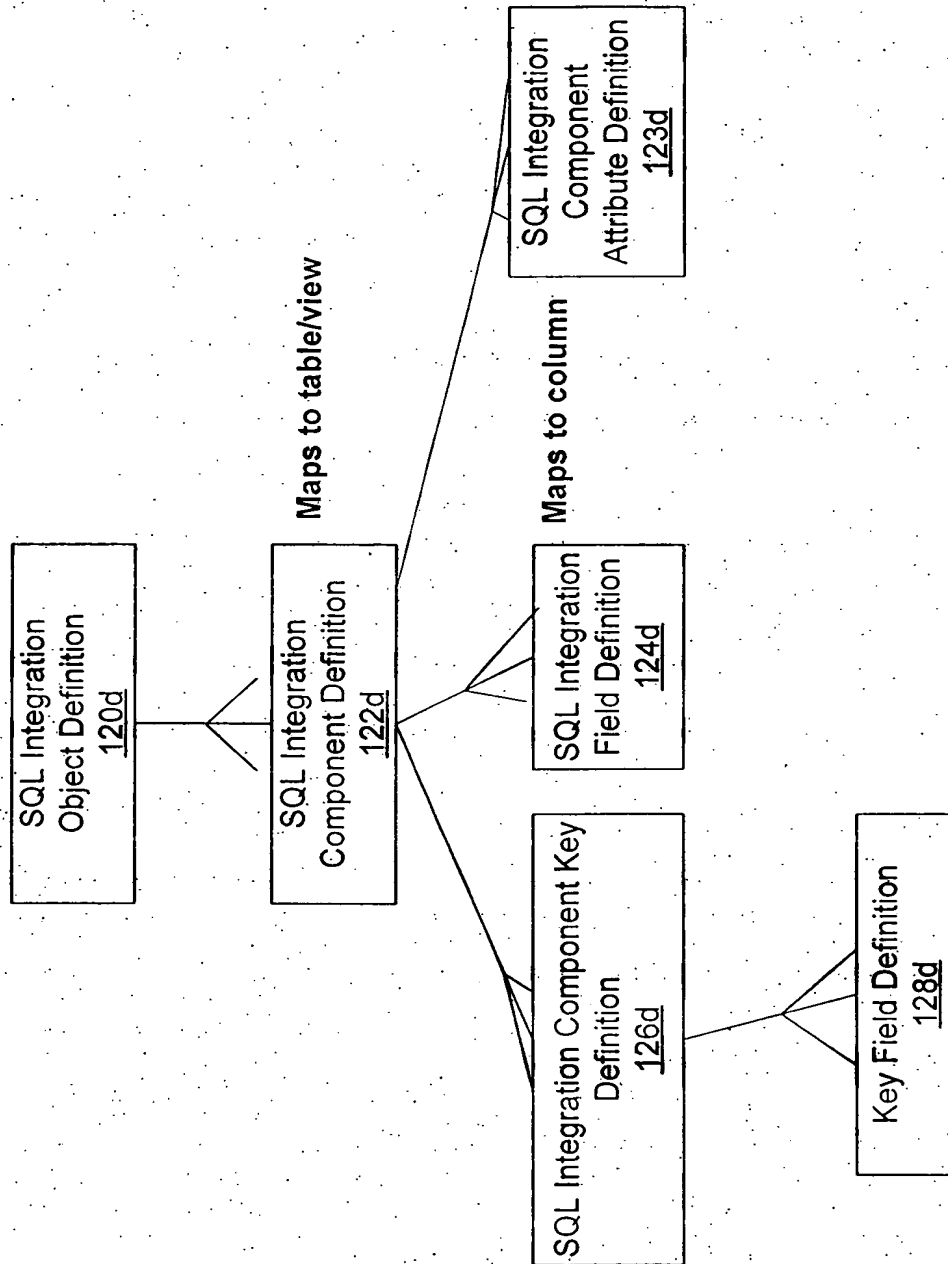


FIG. 3

SQL Integration Object Definition

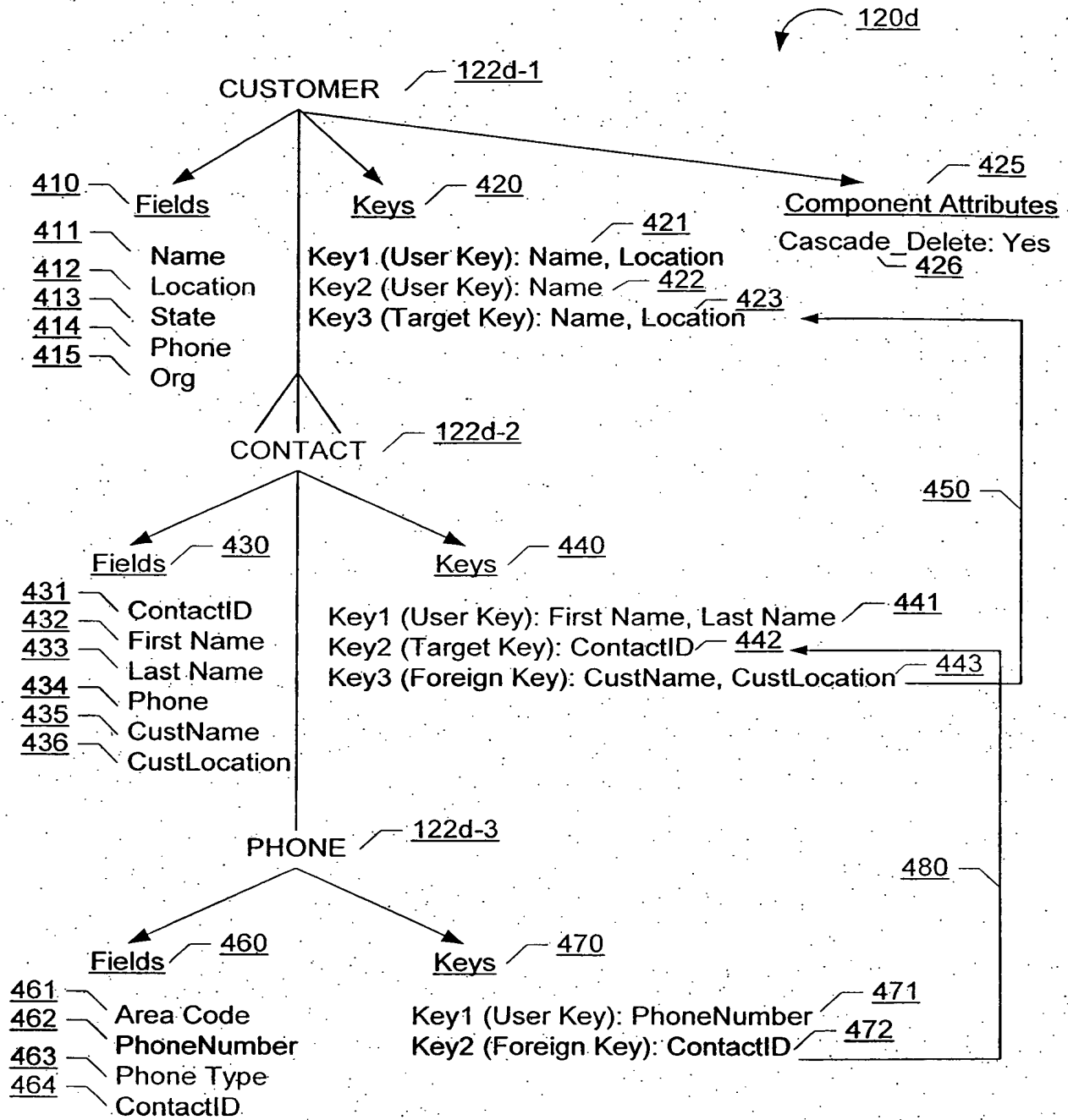


FIG. 4

SQL Integration Object Instance

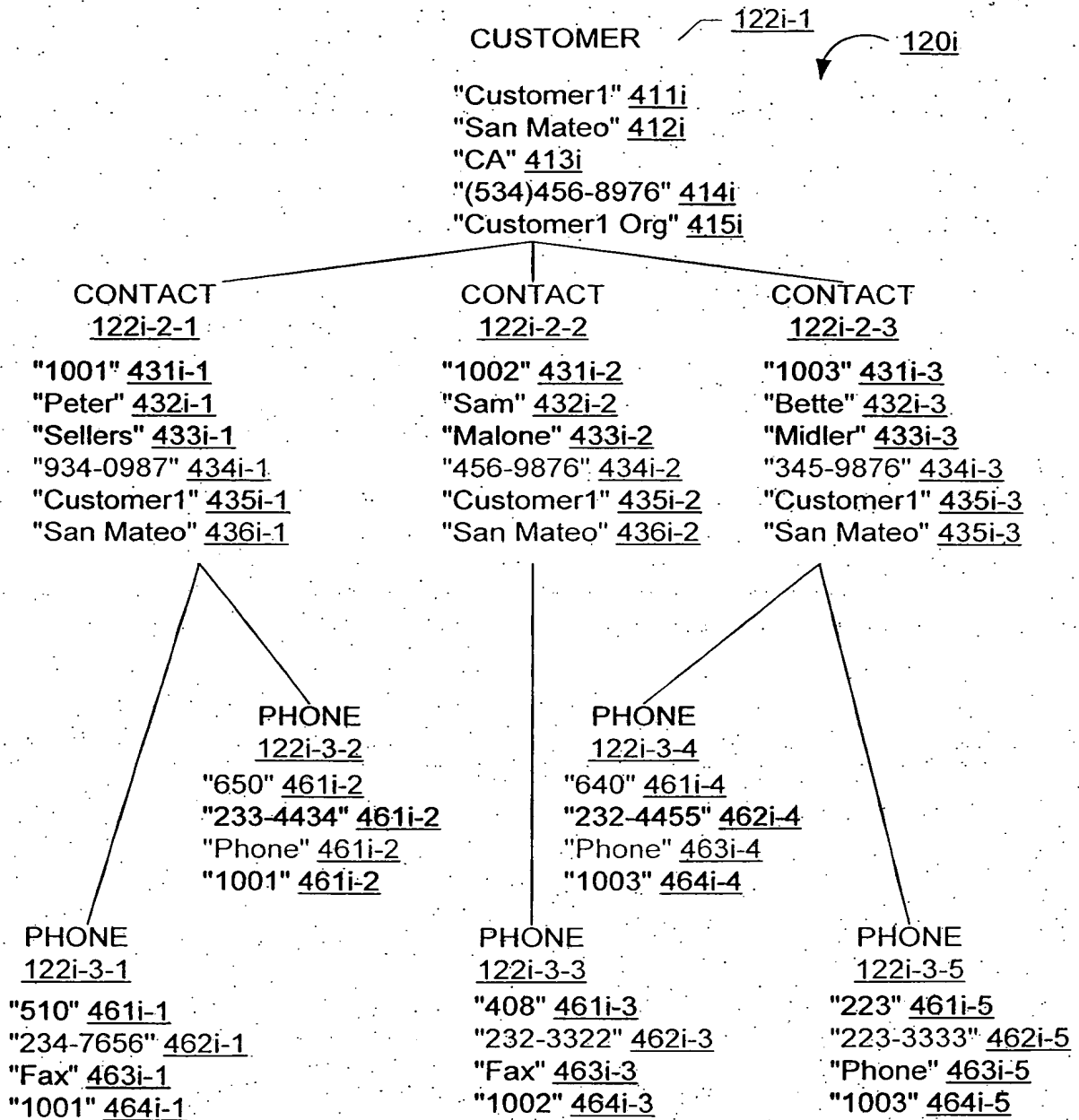


FIG. 5

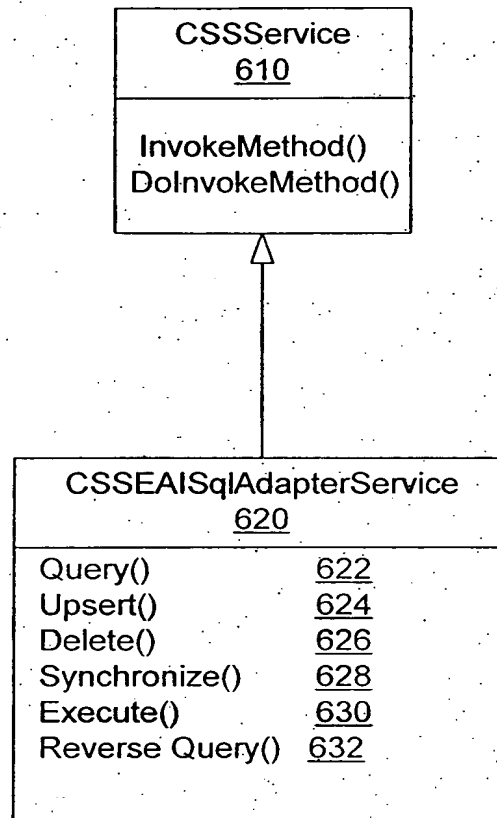
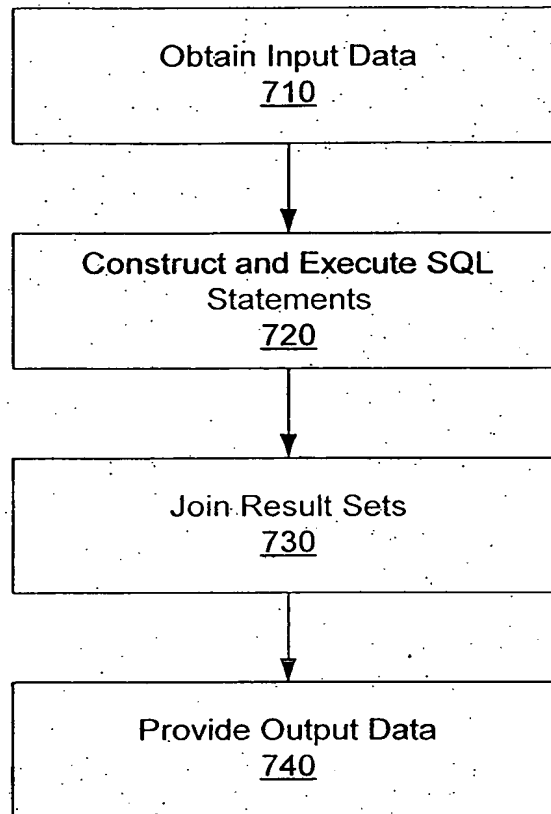
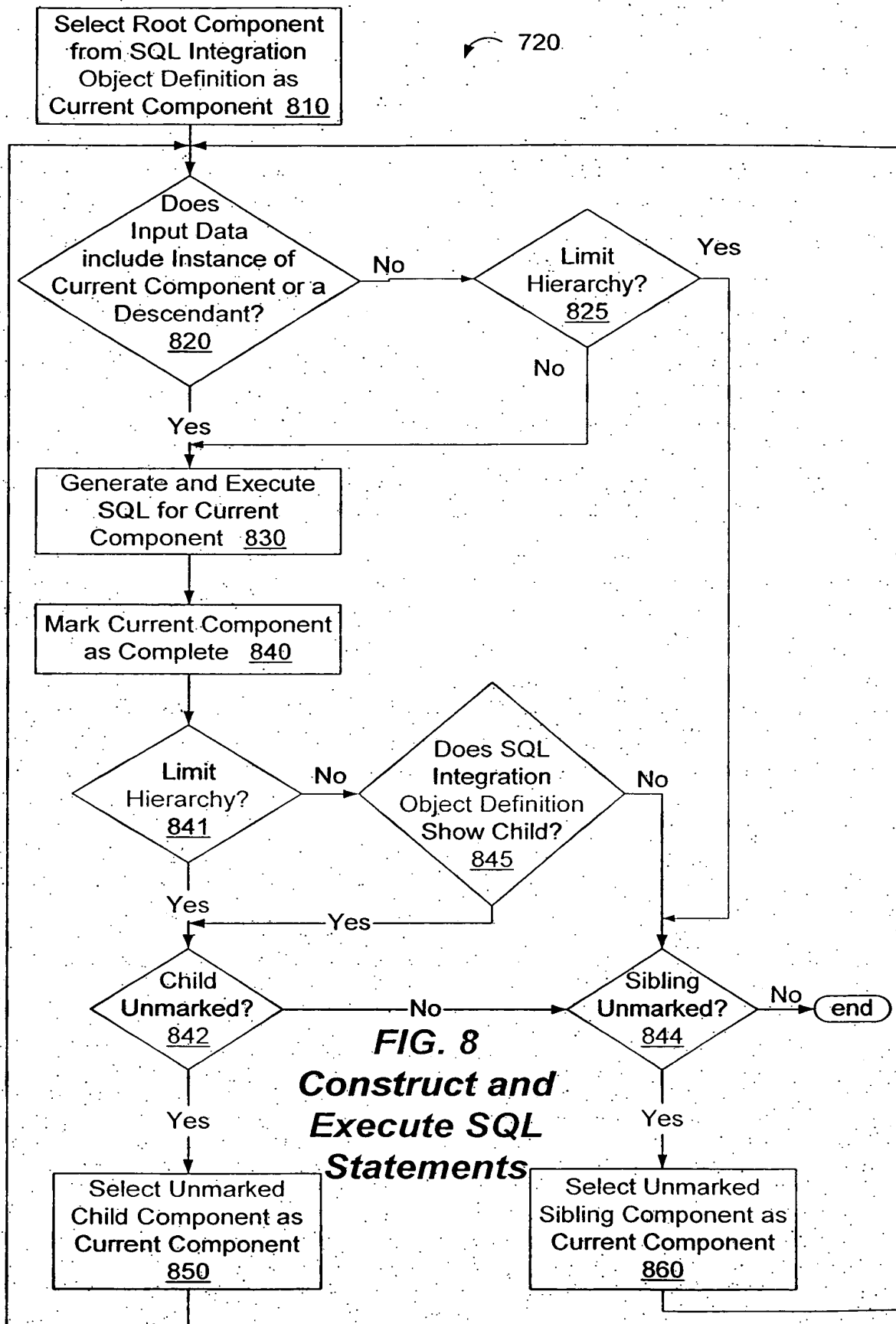


FIG. 6



Query
FIG. 7



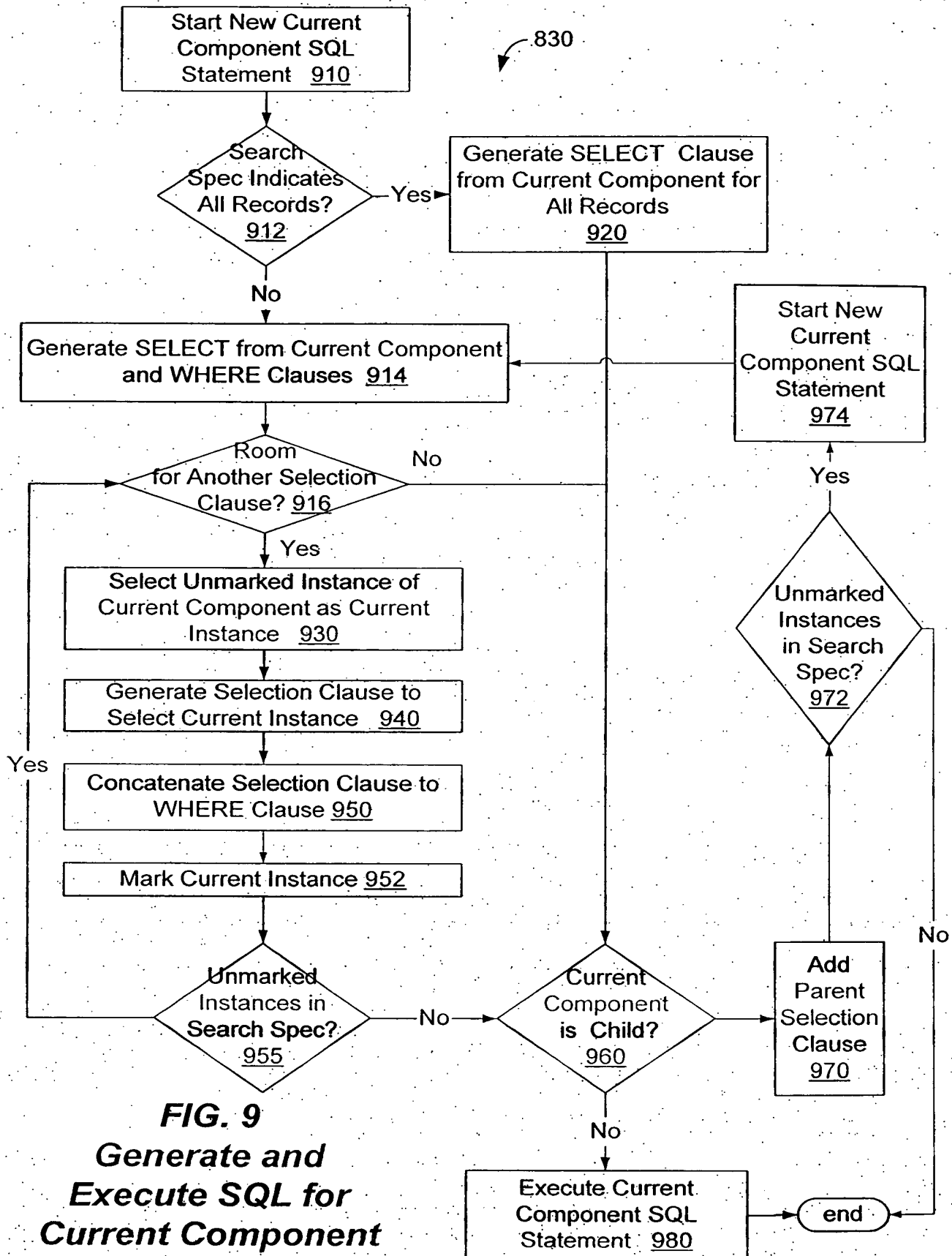
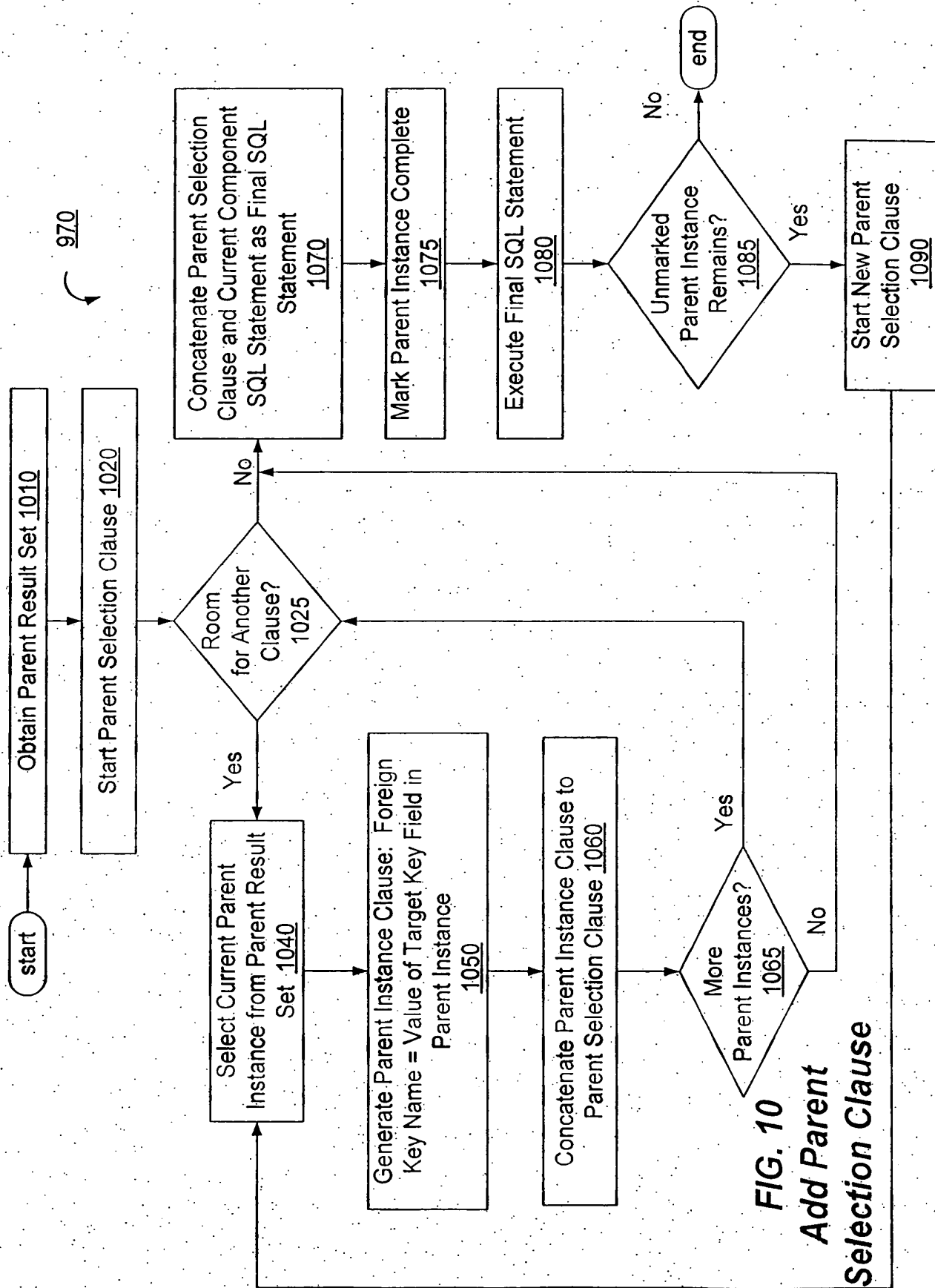
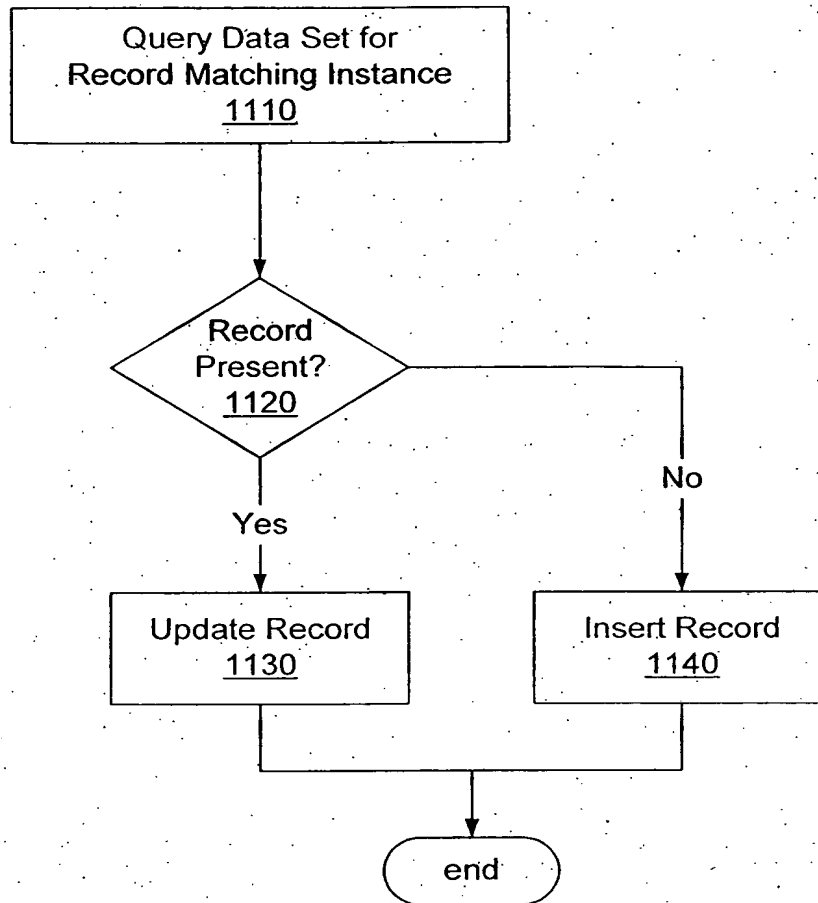


FIG. 9
Generate and
Execute SQL for
Current Component





Upsert Record
FIG. 11

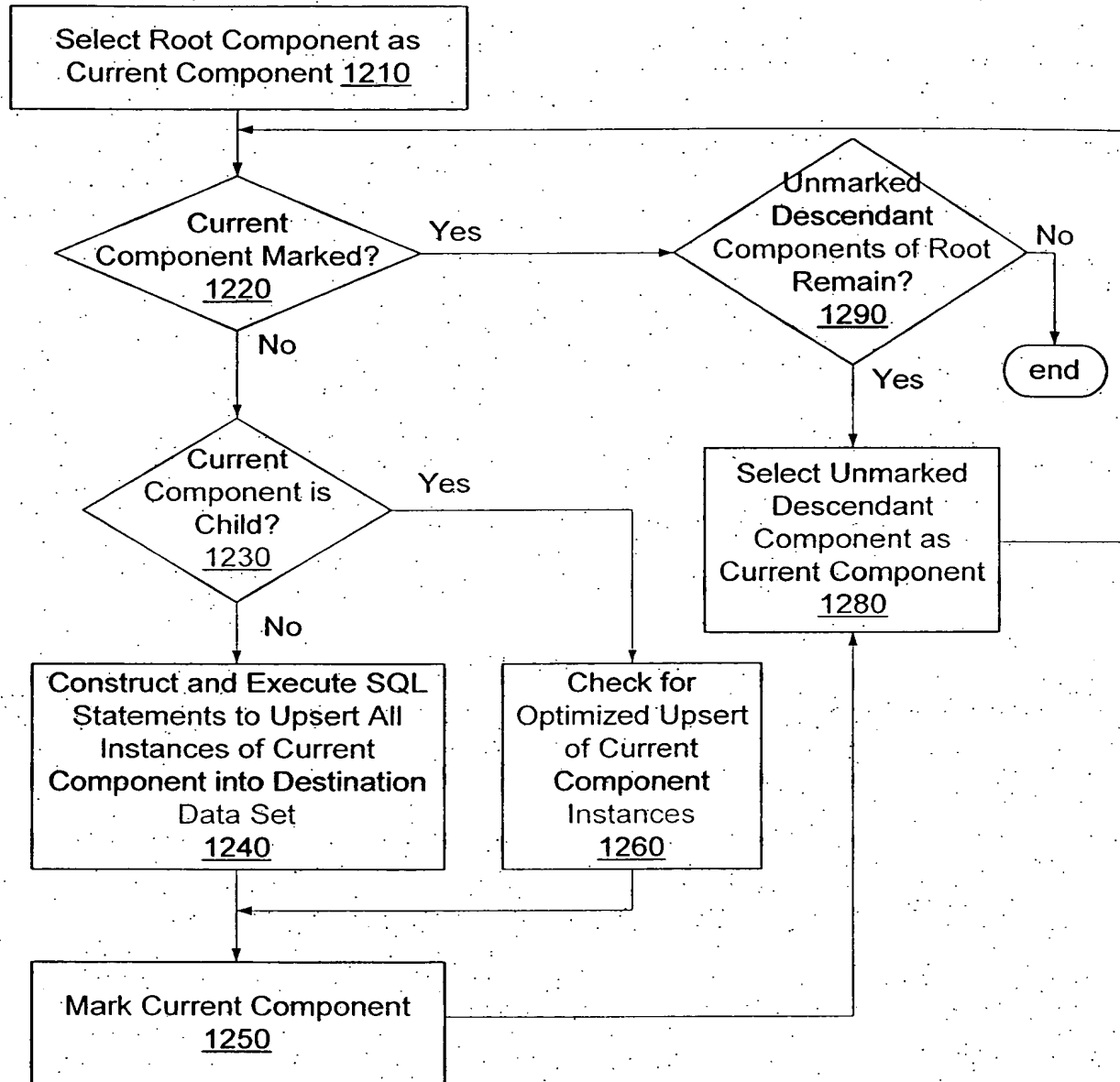


FIG. 12
Upsert Data Set

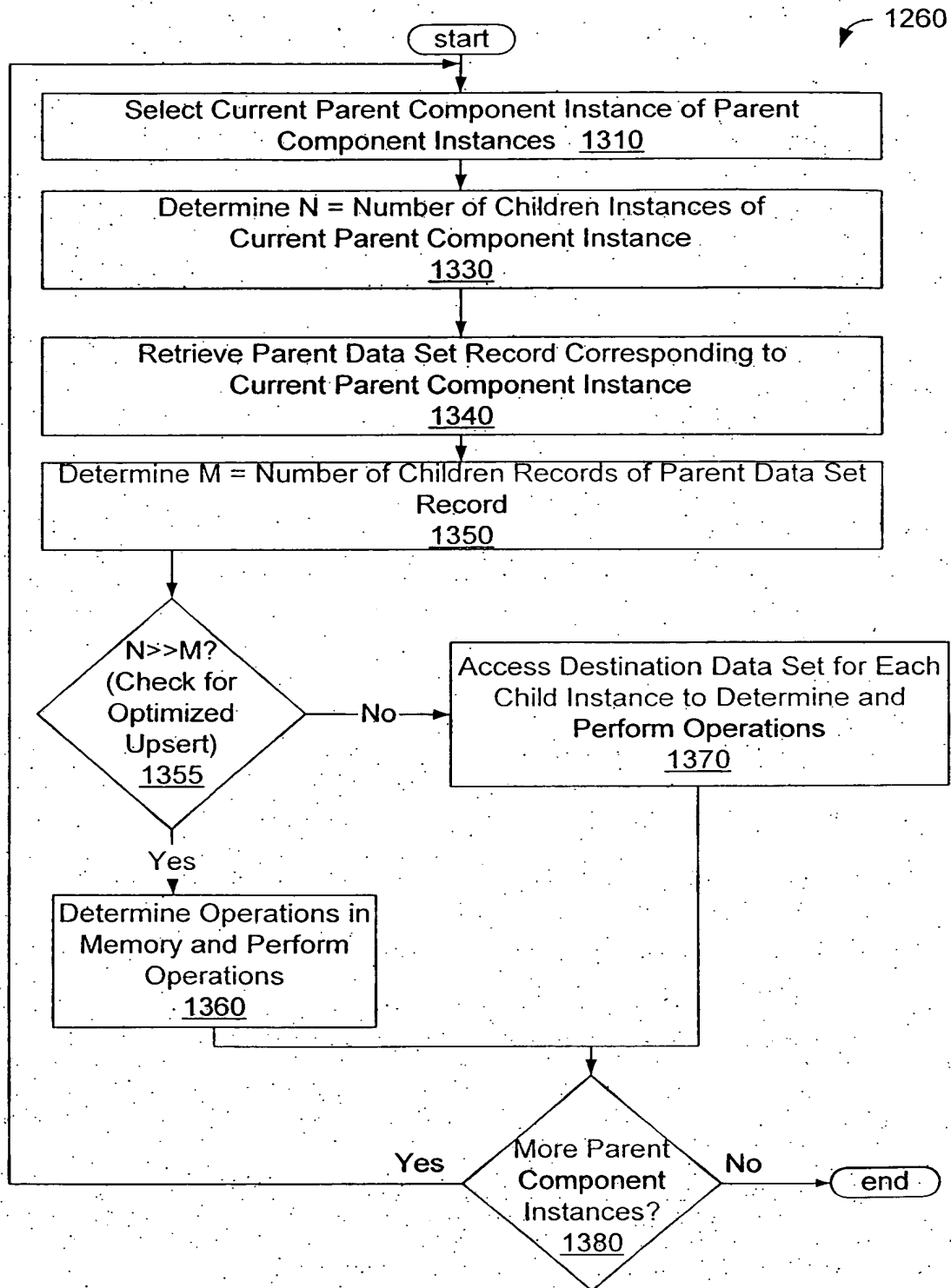
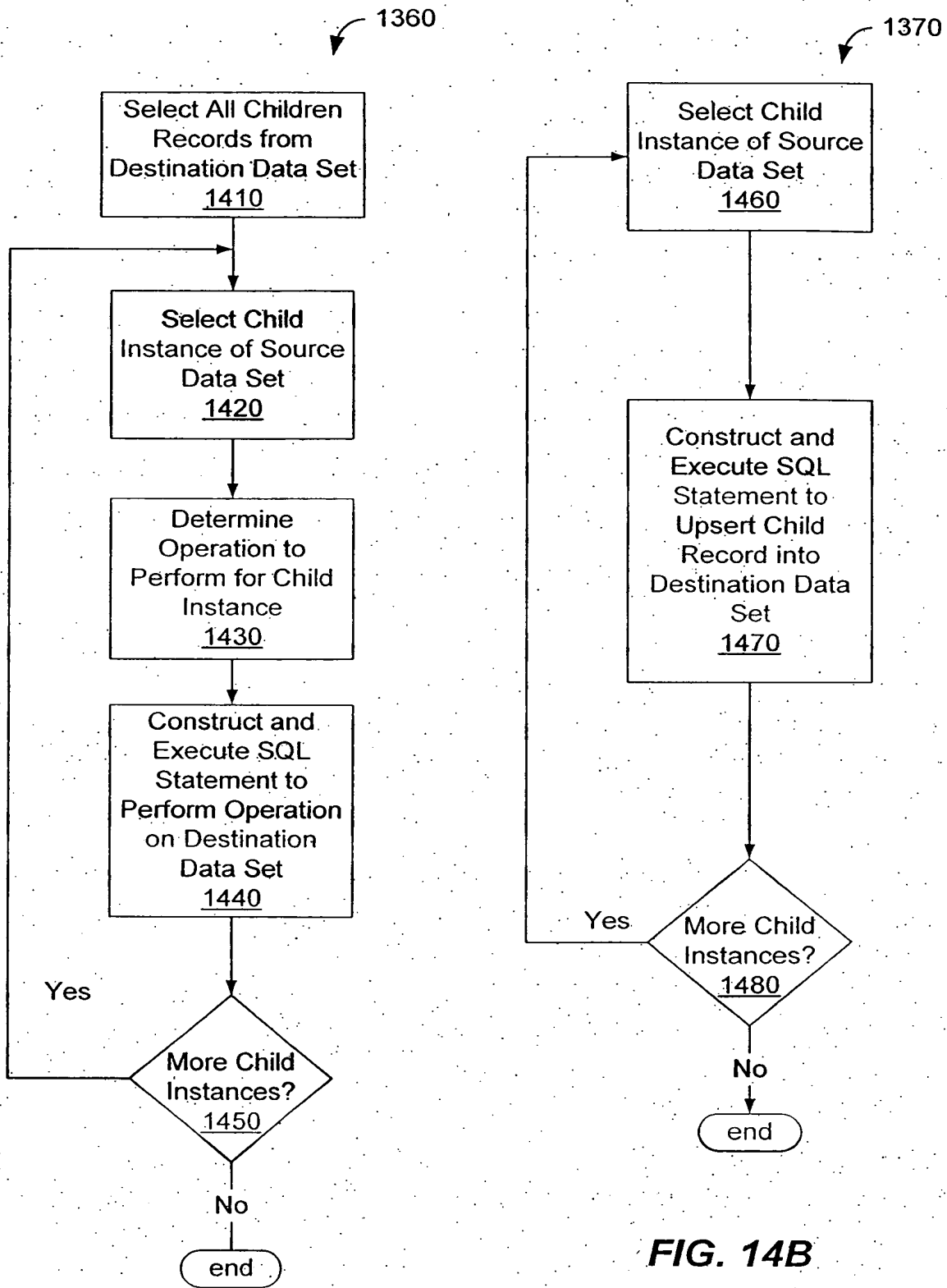
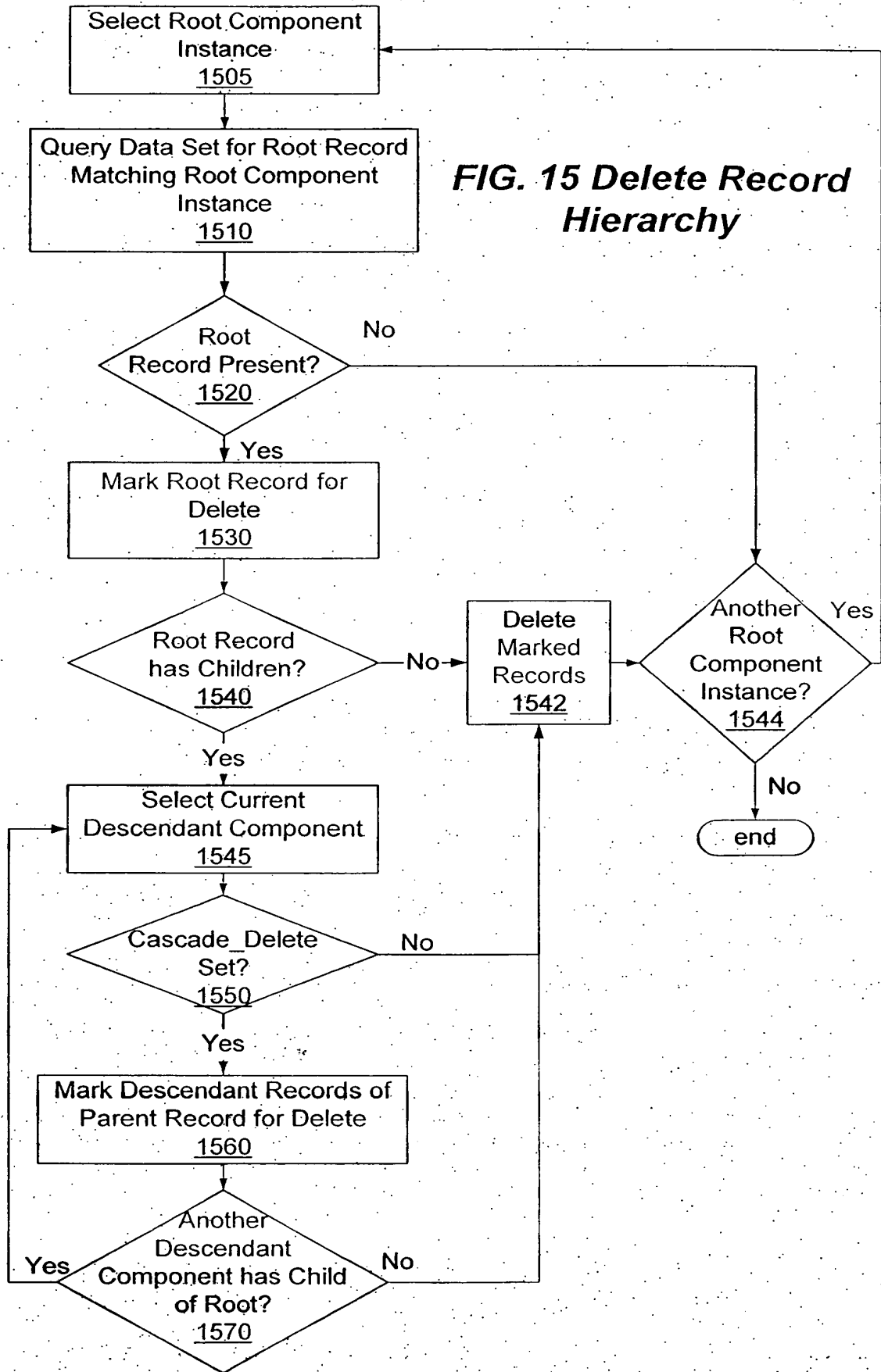


FIG. 13
Check for Optimized Upsert of
Child Component Instances





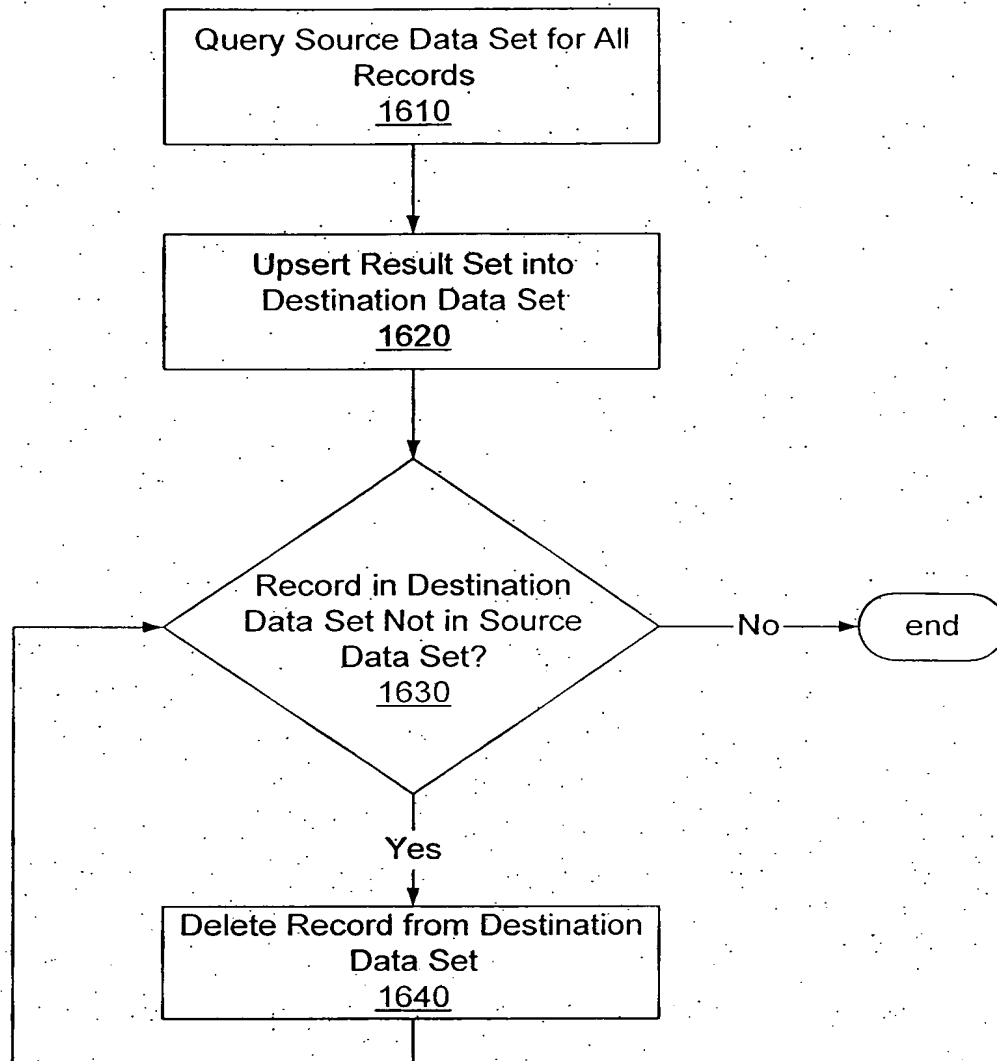
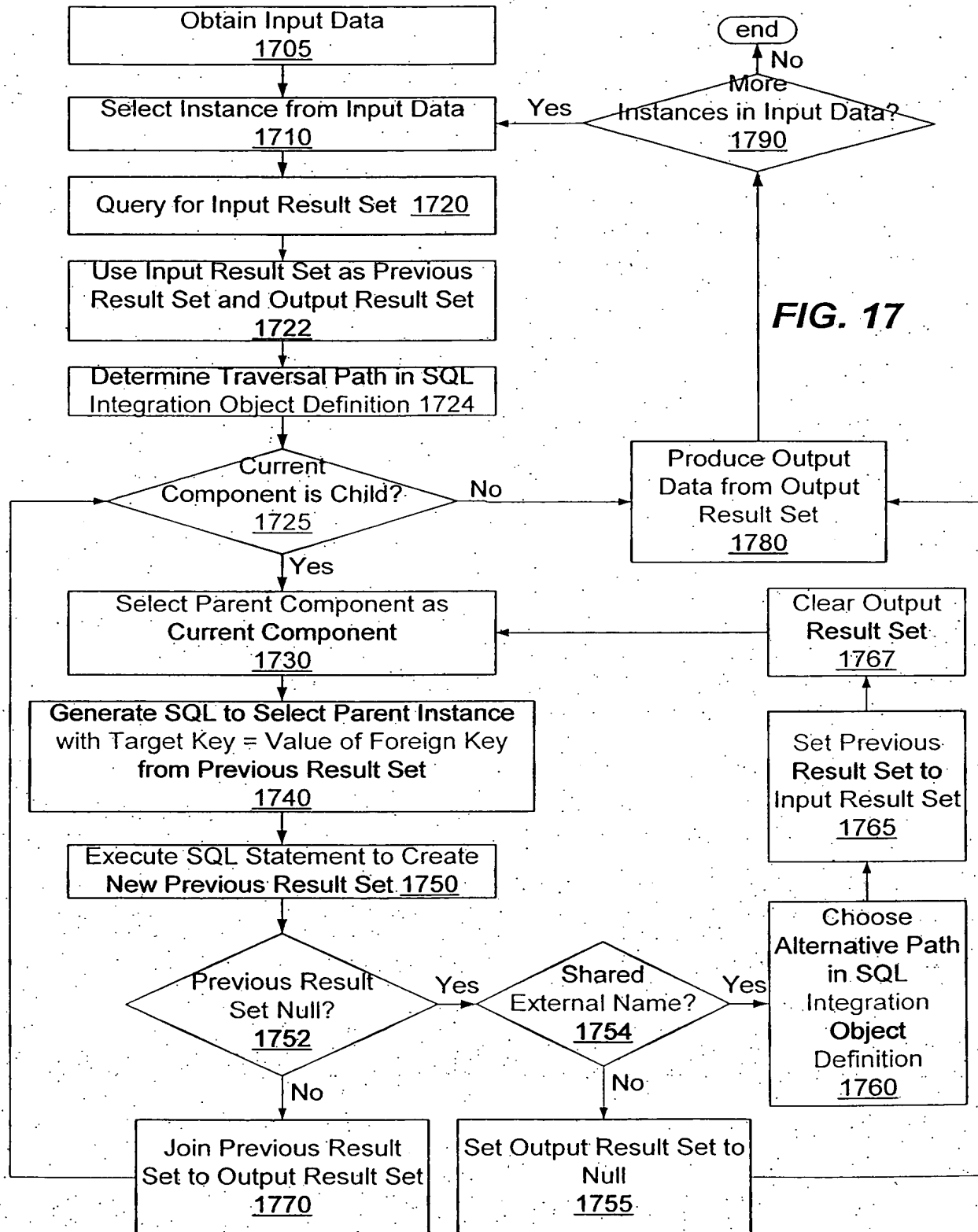
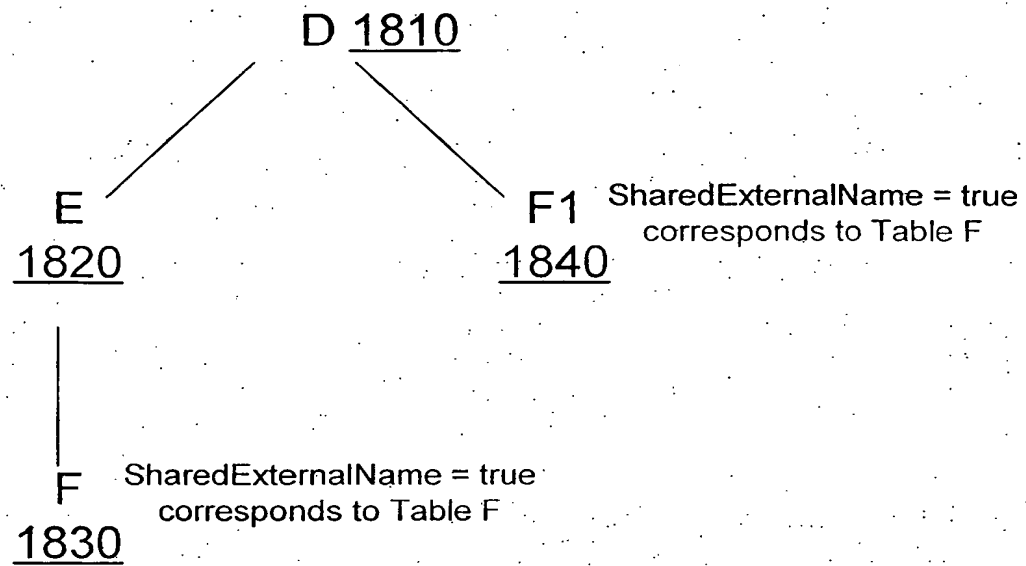


FIG. 16 Synchronize Data Sets





Search Specification: FID = 5

FIG. 18

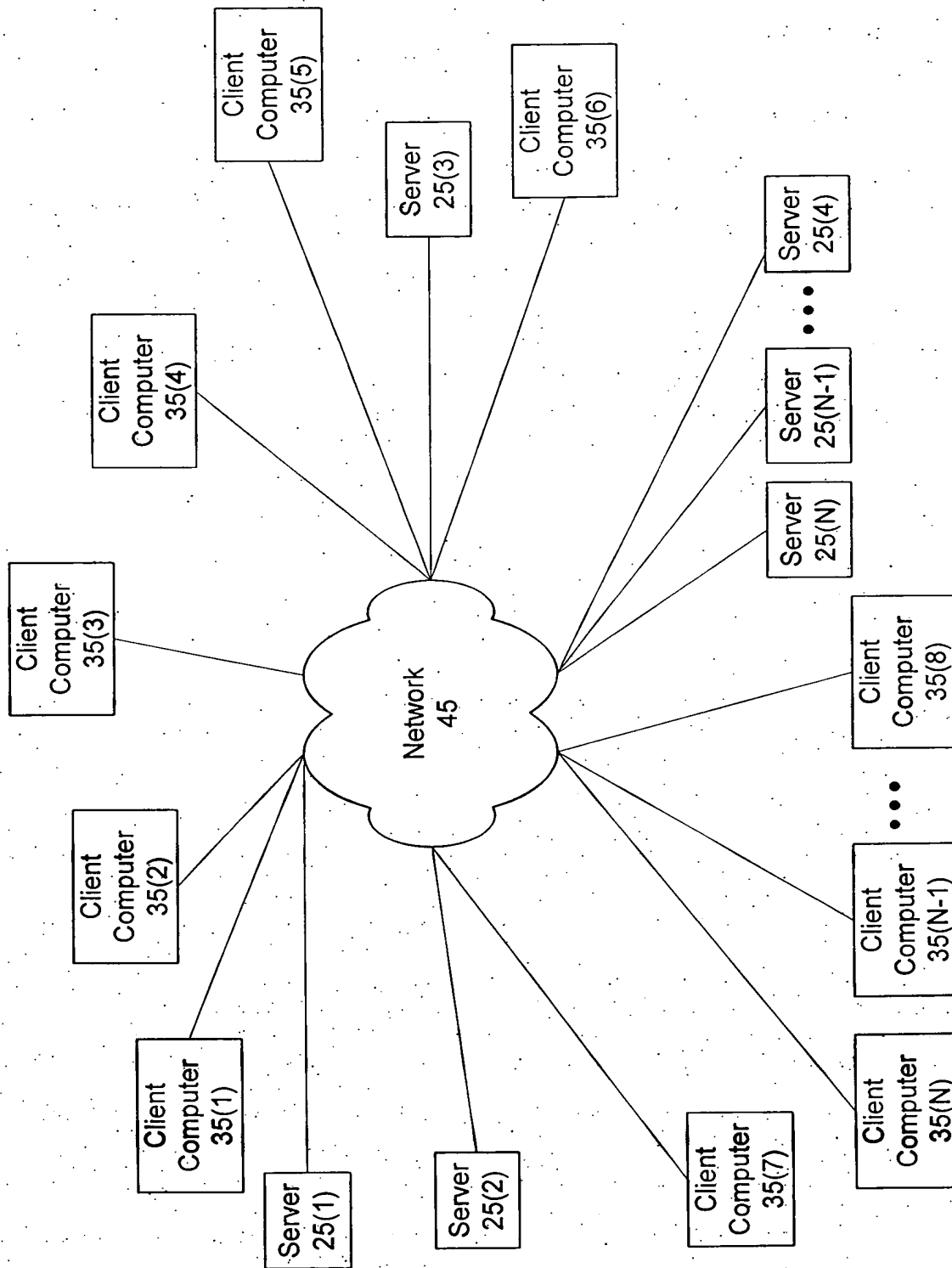


FIG. 19

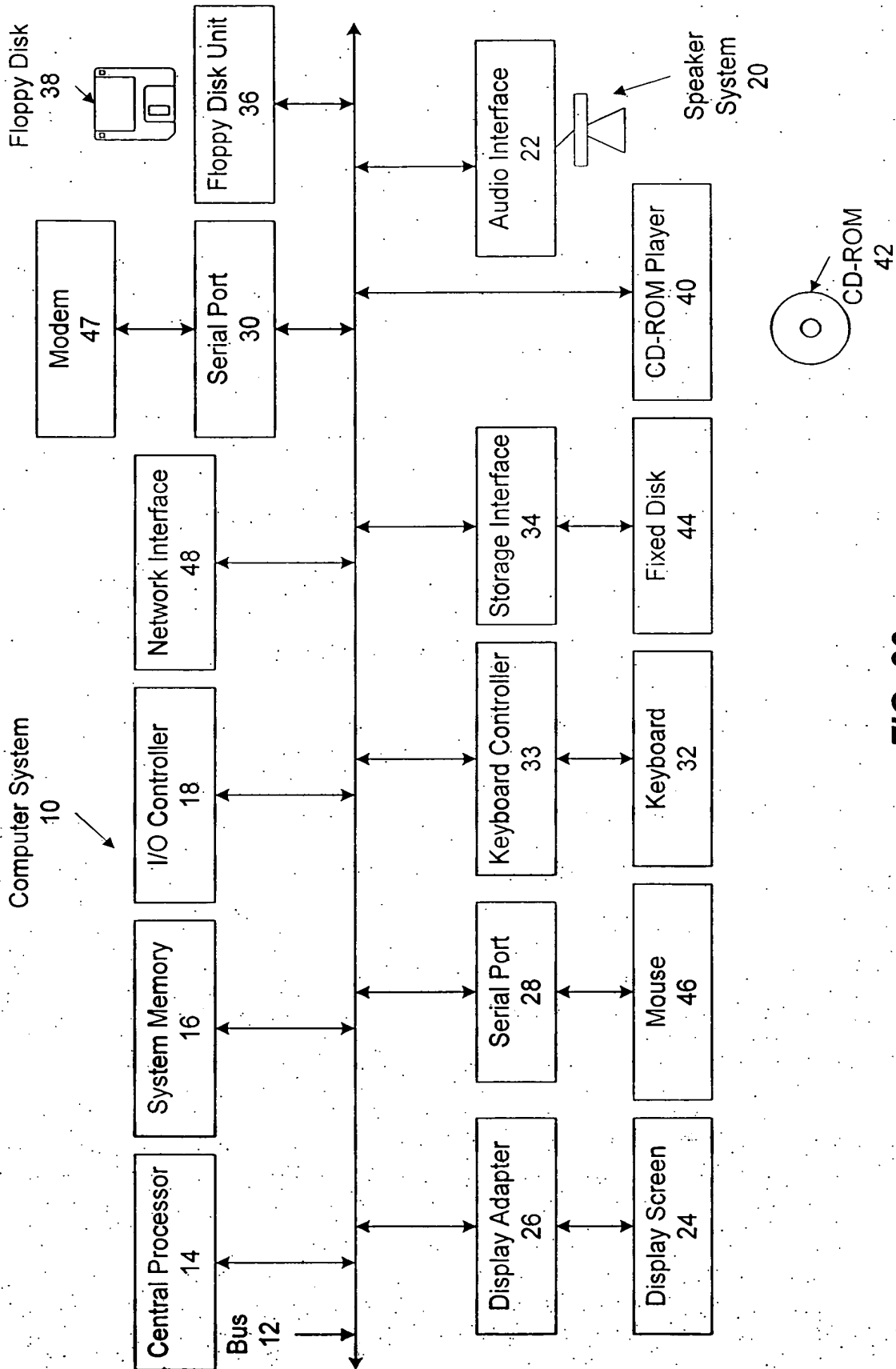


FIG. 20

Attor. Docket No.:
First Named Inventor:
Title:

M-11757 US
Arjun Chandrasekar Iyer
SQL Adapter Business Service

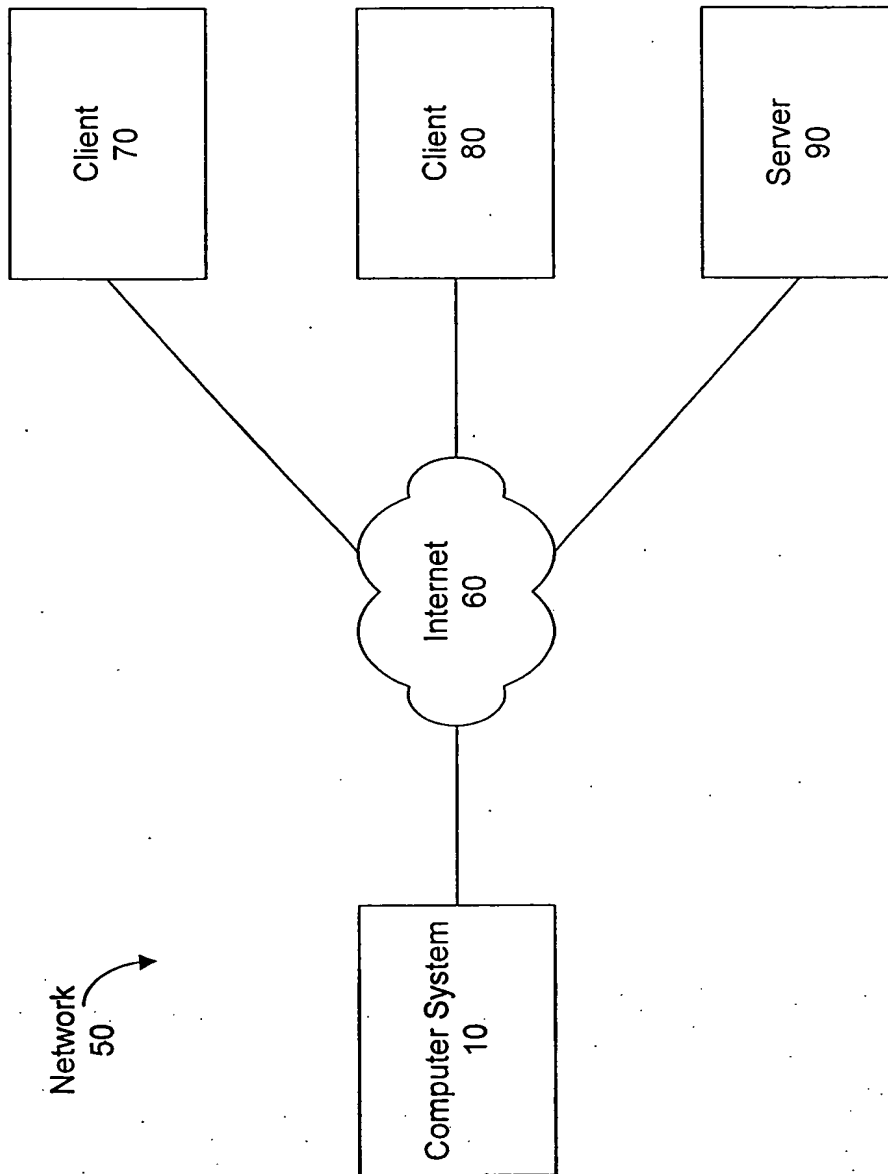


FIG. 21